

# SAFETY DATA SHEET

Issuing Date 08-Jan-2008

Revision Date 17-Dec-2019

Revision Number 4

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name **ACID BLUE 9**

### Other means of identification

**Product Code** 1401100  
**CAS Number** 2650-18-2  
**Formula** C37H34N2O9S3.2NH4  
**Synonyms** Benzenemethanaminium,  
N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino]Phenyl](2-Sulfophenyl)Methyl  
ene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt

### Recommended use of the chemical and restrictions on use

**Recommended Use** Dyes  
**Uses advised against** Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

### Details of the supplier of the safety data sheet

**Supplier Address** ACETO US, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: aceto@aceto.com

### Emergency Telephone Number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 2

### Label elements

#### Emergency Overview

#### Signal Word

**Warning**

#### Hazard statements

Causes skin irritation  
Causes eye irritation  
Suspected of causing cancer

**Appearance**

Red to Purple Crystalline Powder

**Physical State**

Solid

**Odor**

Faint

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present .

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

Benzenemethanaminium,  
N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino]Phenyl](2-Sulfophenyl)Methylene]-2,5-  
Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt

**Formula**

C37H34N2O9S3.2NH4

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino] ]Phenyl](2-Sulfophenyl)Methylene]-2,5-Cyclohexadi en-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt	2650-18-2	100	Supplement 7 [1987]; Monograph 16 [1978]

#### 4. FIRST AID MEASURES

##### First Aid Measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

##### Most important symptoms and effects, both acute and delayed

<b>Signs and Symptoms</b>	No information available.
---------------------------	---------------------------

##### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

#### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam.
<b><u>Unsuitable Extinguishing Media</u></b>	No information available.
<b><u>Hazardous Combustion Products</u></b>	Thermal decomposition or combustion may produce hazardous gases and/or materials.
<b><u>Explosion Data</u></b>	Not available
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

##### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Environmental Precautions</b>	Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or

into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

#### **Methods and material for containment and cleaning up**

**Methods for Clean-up** Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

### **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

**Handling** Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use only in well-ventilated areas. Do not breathe vapors/dust. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

#### **Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Incompatible Materials** Strong Acids.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino]Phenyl](2-Sulfophenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2	-	-	-

#### **Appropriate engineering controls**

#### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and body protection** Use suitable eye protection and gloves.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

**Appearance** Red to Purple Crystalline Powder  
**Physical State** Solid  
**Odor** Faint  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No Data Available	
Melting point / Freezing point	290 °C / 554 °F	Literary Reference
Boiling point / boiling range	No information available	
Flash Point	No Data Available	No information available
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper flammability limit	No information available	
Lower flammability limit	Not available	
Vapor Pressure	No information available	
Vapor Density	Not available	
Specific Gravity	0.64 - 0.66	
Water Solubility	12.4% @ 25°C	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	Not available	
Autoignition temperature °C	No Data Available	Estimated
Decomposition temperature	No Data Available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	Not available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	
<b>Other Information</b>		
Softening Point	No information available	
Molecular Weight	782.8 g/mol	
VOC content	No information available	
Liquid Density	No information available	
Bulk density	No information available	
Corrosion characteristics	No information available	

## 10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong Acids.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen oxides (NO <sub>x</sub> ). Sulfur oxides.
Possibility of Hazardous Reactions	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

**Product Information** No information or data specific to the product on this toxicological (health) effect is available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino]Phenyl](2-Sulfophenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt	-	-	-

**Information on likely routes of exposure**

<b>Eyes</b>	Irritating to eyes. Avoid contact with eyes.
<b>Skin</b>	Irritating to skin. Avoid contact with skin.
<b>Inhalation</b>	Avoid breathing dust.
<b>Ingestion</b>	Do not take internally.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Suspected of causing cancer. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulphophenyl)Methyl]Amino]Phenyl]](2-Sulphophenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2		Group 3		

<b>Serious eye damage/irritation</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	Avoid repeated exposure.
<b>Aspiration Hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Avoid release to the environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzenemethanaminium,	-	-	-	-

N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfo-phenyl)Methyl]Amino]Phenyl](2-Sulfo-phenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2				
--	--	--	--	--

**Persistence/Degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Mobility in Soil**

No information available.

Chemical name	log Pow =
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfo-phenyl)Methyl]Amino]Phenyl](2-Sulfo-phenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2	-

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal Methods**

Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging**

Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated**TDG** Not regulated**MEX** Not regulated**ICAO** Not regulated**IATA** Not regulated**IMDG** Not regulated**RID** Not regulated**ADR** Not regulated**ADN** Not regulated

### 15. REGULATORY INFORMATION

*International Inventories*

<b>TSCA</b>	Complies
<b>Canada (DSL)</b>	Complies
<b>EU (EINECS)</b>	Complies
<b>EU (ELINCS)</b>	Does not comply

Japan (ENCS)	Complies
China (IECSC)	Complies
Korea (KECL)	Complies
Philippines (PICCS)	Complies
Australia (AICS)	Complies
Mexico INV	Does not comply
Taiwan INV	Complies

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sul fophenyl)Methyl]Amino]Phen yl](2-Sulfophenyl)Methylene] -2,5-Cyclohexadien-1-Yliden e]-3-Sulfo-, Inner Salt, Diammonium Salt	Present	Present	X	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
	Present (5)-1632	Present	Present	Present	Present
Chemical name	Mexico INV			Taiwan INV	
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulfophenyl)Methyl]Amino ]Phenyl](2-Sulfophenyl)Methylene]-2,5-Cyclohexadi en-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2	-			Present	

## Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

### VOC content

This Product does not contain any VOCs

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

## State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### State Right-to-Know

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Benzenemethanaminium, N-Ethyl-N-[4-[[4-[Ethyl[(3-Sulphophenyl)Methyl]Amino]Phenyl](2-Sulphophenyl)Methylene]-2,5-Cyclohexadien-1-Ylidene]-3-Sulfo-, Inner Salt, Diammonium Salt 2650-18-2	sn 2897	Present			

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## Canada

### WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

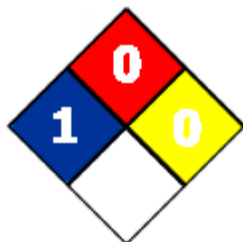
### NFPA

Health 1

Flammability 0

Instability 0

Physical Hazard 0



Issuing Date

08-Jan-2008

Revision Date

17-Dec-2019

Revision Summary

Not available

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information

---

relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**